

PRICE LIST

:: OF ::

WIRELESS APPARATUS SUPPLIES AND LITERATURE

**SCIENTIFIC
EXPERIMENTER LIMITED**

33 McGill College Ave. .. MONTREAL, P.Q.

Dominion Building, VANCOUVER, B.C.

Arcade Building .. HALIFAX, N.S.

240 Water Street, ST. JOHN'S, NFD.

93 King Street East, .. TORONTO, ONT.

Please read Shipping Directions on the back of this sheet

Please Read This Carefully

With the issue of this Price List all previous lists are cancelled. _____

Prices quoted herein are f. o. b. Montreal or S. E. branches and are subject to change without notice. _____

When ordering, please state how you wish goods to be shipped. _____

Unless otherwise instructed, we will send goods "Express Collect." _____

Include postage if goods are to be mailed by parcel post. _____

Remittances should be made by certified cheque, or by Express or Money Order. Stamps cannot be accepted. _____

We frequently receive unsigned letters and orders from customers. To prevent delay and dissatisfaction, please do not overlook your name and full address. _____

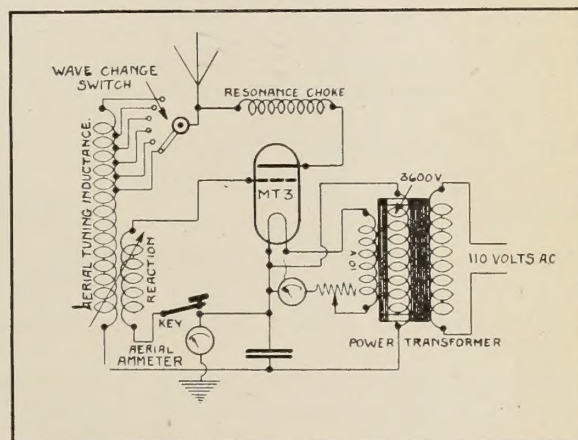
Watch our advertisements in "Canadian Wireless" Magazine.

The Canadian Marconi Completely Modulated Continuous Wave Transmitter

Amateur Type 13939—200 metre wavelength



CONNECTION DIAGRAM 200 METRE SET



THE transmitter is designed to meet the demand for compact, portable and reliable continuous wave apparatus operated directly from 110 volt, 60 cycle lighting mains. Its advantages over damped wave or "spark" transmitters include the following :

- (a) Increased range for equal power input.
- (b) Improved selective quality of the transmitted wave.
- (c) Absence of batteries or running machinery,
- (d) Simplified installation and operation.

The continuous waves emitted by this transmitter, being completely modulated may be detected at stations not equipped for ordinary "C.W." reception. This feature will be appreciated by users of the 200 metre wave model who will find it possible to transmit to all types of amateur stations within range, without causing interference at near-by commercial stations.

DESCRIPTION OF THE APPARATUS

In physical design and finish the transmitter is extremely compact and neat. The transformer, inductances, valve

generator, etc., are enclosed in a polished mahogany case fronted with a substantial hard-rubber panel, on which are mounted the control switches and necessary terminals, all finished in dull nickel. Graduated scales about the switch knobs are machine engraved and white filled. On the sloping top of the cabinet are the flush mounted ammeters which indicate the filament and aerial currents respectively, and also the back mounted rheostat, controlling the filament current.

Electrically, the transmitter is satisfactory in every way. It is the result of considerable experimenting in the Marconi laboratories by engineers experienced in designing both commercial and amateur radio apparatus.

The radio-frequency generator is a Marconi "MT3" three-electrode valve.

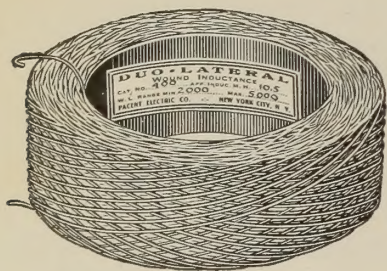
Transmitter (200 metre wave length) with valve..	\$150.00
Type "MT3" Valve.....	50.00
" 406 Transmitting Key.....	5.00
" 7/22 Silicon Bronze Aerial Wire (per 100 ft. coil)85
" 35 Electro-se Corrugated Insulators (each)..	.55

Miscellaneous Apparatus and Materials

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Aluminum —In sheets 4" x 4" x $\frac{1}{16}$ ", suitable for use in electrolytic rectifiers.....Per sheet	1	\$0.10	Buzzers —Lungen. No. 1. Nickel-plated square cover.....	16	\$.75
Ammeters (See also Milliammeters)—Hot wire. Radio-frequency. Flush mounting 3" diameter. Zero adjusting device. 0-2.5 amps.....	2	8.00	Radio. No. 55. With shunt coil. Round dull black cover.....	17	3.00
Radio-frequency, Eldridge type, 0-1 reading ..	4	11.50	Buzzer and Key. Practice set. Type R68.....	18	3.50
Radio-frequency. Weston Thermo. Flush mounting. 3" diameter. 0-6 amps.....	5	30.00	Watch-case. Type R52. Nickel-plated cover..	19	1.35
Amplifier —"Magnavox" Power. For amplifying speeches, etc., at public gatherings. Less valves and batteries.....	6	425.00	Cabinet Connector —"Amrad," type 2642..Each	20	.07
Amplifier —Marconi. Audio-frequency, two stage. In Marconi unit cabinet, 7" x 7" x 7". "V24" valves and plate battery not included.....	6a	45.00	Clips —"Amrad", spring clip, type 2625, for clamping under two binding posts spaced $\frac{3}{4}$ " or $2\frac{5}{8}$ ". Holds an "Amrad" type 2332 grid leak or type 2618 fixed condenser.....Per pair	21	.15
Ampliformer —"Amrad" type 2620, in case.....	7	8.40	Telephone. For attaching telephone cord tips to terminals, etc.	22	.05
"Amrad" type 2223, without case.....	8	5.25	Helix. Type R71. For clipping to round conductor	22a	.25
Amplifying Detector —Marconi. In unit panel, 7" x 7" x 7". Requires connection with coils, condensers, battery, etc. Without "V24" valve and "B" battery.....	9	25.00	Helix. Type R70. For clipping to flat conductor	23	.25
"Amrad"—Details regarding "Amrad" products included in this list will be found in the various "Amrad" bulletins, free on application. Please advise us as to what equipment particularly interests you.....			Condensers —"Amrad" cartridge type 2618. Fixed condenser for use in a standard grid leak mounting, or between "Amrad" type 2625 clips. Four capacities, each the same price, .0001 mf. for a grid condenser; .0005 mf. or .001 mf. for use across input binding posts of VT detector to increase wavelength of regenerative sets; .002 mf., for use as a telephone shunt, etc.....	24	.65
Batteries —"B". "Ever-ready." Type No. 1530. Size 4" long x $2\frac{3}{4}$ " wide x 3" high. 22½ volts	10	1.85	Fixed, Mica, for valve grid. Cap .0006 mf. Mounted in mahogany case. Type R30....	25	.80
Ditto. Type 766. Tapped to give 16½, 18, 19½, 21 or 22½ volts.....	11	2.50	Unmounted. Type R31.....	26	.40
Storage. "Hart" type. Wooden container. 6-volts.			Fixed. "Signal" type R29. For use as a "phone" condenser, etc. Mounted in ebonite case....	27	1.30
Type MS 607; 35 amp-hr.....	12	16.50	Variable disc. For back mounting on any panel of thickness $\frac{1}{8}$ " to $\frac{3}{8}$ ". Furnished with metal dial calibrated to 180 degrees. With two machine screws, for mounting.		
Type MS 611; 70 amp-hr.....	13	22.00	Capacity .001 mf., 43 plates R76.....	28	6.60
Brass Rod —Square. $\frac{3}{16}$ ". For mounting sliders for loose-couplers, etc., per ft.....	14	.15	Capacity .0005 mf., 21 plates R77.....	29	6.00
Round. $\frac{3}{16}$ ", per ft.....	15	.15	Capacity .002 mf., 11 plates R78.....	30	5.00

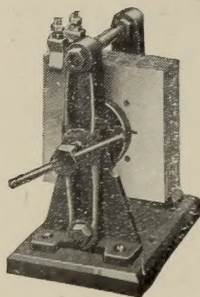
Miscellaneous Apparatus and Materials—*Continued*

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Variable disc. "Murdock" type 366. In composition case, with 180 degree dial, knob and pointer. Capacity .001 mf., 43 plates, with case	31	\$6.50	Silicon or other crystal, as preferred, may be held by the three set-screws provided. Without crystal. R40.	54	\$2.10
Capacity .005 mf., 21 plates, with case, Type 368.	32	5.25	"S.E." type. With Zincite-Chalcopyrite crystals	55	2.75
Without case, but with knob and dial.	33	4.75	Dials —"Amrad" type 2547. 0-100.	56	.45
Variable disc. "Murdock" type 3660. For panel mounting. Without knob, pointer or scale.			"Amrad" type 2546. 0-50.	57	.45
Cap. .001 mf., 43 plates.	34	5.40	Dry Cell —No. 6. Common size. Voltage 1.5.	58	.50
Variable disc. "Signal" type. Square "Formica" panels and tubular glass case.			Dual Jack —"Amrad," type 2636.	59	3.85
Capacity .001 mf., 43 plates. Type R34.	35	7.75	Grid Leak —"Amrad," solid carbon, type 2332.		
Capacity .0005 mf., 21 plates. Type R35.	36	6.75	Fits a standard grid leak mounting. Furnished in six values: ½, 1, 2, 3, 4, 5, megohms.	60	.70
Condensers (Transmitting)—"Dubilier," type			Grid Leak Mount —Radio Corporation type.	61	.75
D101, ½ K.W., 14,000V., .007 mf.	37	54.00	Honeycomb Coils —"Duo-Lateral" type. Inside diameter 2 inches:—		
"Dubilier," type D100, ¼ K.W., 10,000V., .007 mf.	38	34.50	No. For Wavelengths		
"Dubilier," type 577 (may also be used in receiving apparatus). Suitable for C.W. work. Tested voltage 1000.	39	3.10	U.S. 25 130 to 250 metres.	62	.80
Glass Plate type. Glass plates 8" x 10". Tested voltage 16,000:—			U.S. 35 180 to 450 metres.	63	.90
½ K.W. size. 4 sections, series-parallel. Capacity .01 mf.	40	25.00	U.S. 50 250 to 700 metres.	64	.95
¼ K.W. size, 2 sections, series-parallel. Capacity .005 mf.	41	20.00	U.S. 75 400 to 900 metres.	65	1.10
Glass Plate. Marconi type, for use with 1" spark coil sets.	42	2.25	U.S. 100 500 to 1400 metres.	66	1.15
Crystals —Chalcopyrite. Tested, in cup. Each	44	.40	U.S. 150 600 to 2000 metres.	67	1.25
Galena. "NAA", carefully selected and packed.	45	.50	U.S. 200 1000 to 2500 metres.	68	1.35
Iron Pyrite ("Radiocite") Per oz.	46	1.10	U.S. 249 1400 to 3500 metres.	69	1.40
Silicon Per oz.	47	.40	U.S. 300 1500 to 4500 metres.	70	1.60
Zincite. Tested, in cup. Each	48	.40	U.S. 400 2000 to 5000 metres.	71	1.80
Detectors (Crystal)—"Amrad," single type. Without crystal.	49	3.00	U.S. 500 3000 to 6000 metres.	72	2.00
"Amrad," double type. Without crystals.	50	4.50	U.S. 600 4000 to 10000 metres.	73	2.25
"Amrad," midget type. Without crystal.	51	1.75	U.S. 750 5000 to 12000 metres.	74	2.40
Galena. Universal adjustment. With tested crystal. Type R41.	52	2.10	U.S. 1000 7000 to 15000 metres.	75	2.60
"Murdock," type 324. Without crystal.	53	1.10	U.S. 1250 10000 to 20000 metres.	76	3.15
			U.S. 1500 15000 to 25000 metres.	77	3.60
			Honeycomb Coil Mounts —"Coto-coil" type.		
			Trunnion bracket.	78	1.75
			Fixed mounting bracket.	79	1.45
			Plug and band.	80	.75
			Marconi type, requiring no coil bands, plugs or other attachments. Holds any standard coil	81	6.50
			Insulators —Strain "Electrose" Ball type.	82	.50
			"Electrose" Corrugated. 2" insulation.	83	.55
			"Electrose" Corrugated. 7" insulation.	84	1.15
			"Hopewell" type 196.	85	.30
			Porcelain cleats, for small aerials.	86	.05

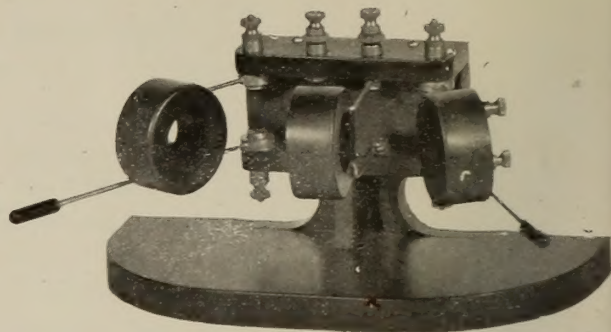


Honeycomb Coils (Duo-Lateral Type)

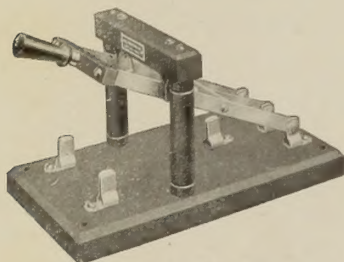
It is claimed for the "duo-lateral" type of coils that their distributed capacity is lower than that of other honeycomb coils; that their high and low-frequency resistance is smaller, and that their inductance per unit of volume is greater.



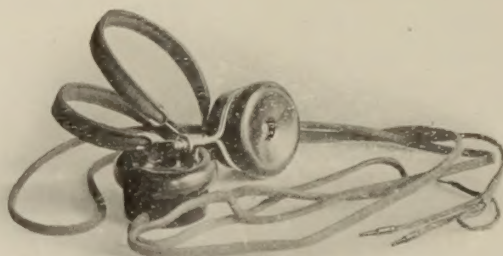
Quenched Spark Gap
Catalogue No. 135



Honeycomb Coil Mount
Catalogue No. 81

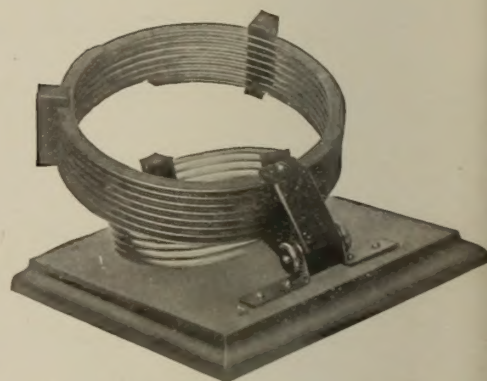


Change-over Switch
Catalogue No. 142

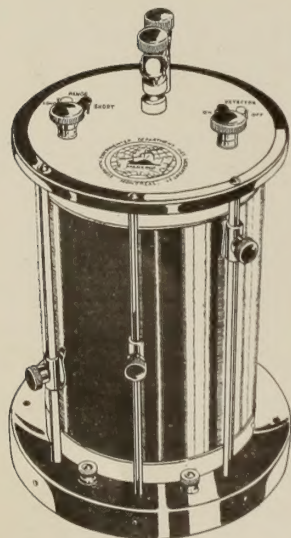


Baldwin Telephone
Catalogue No. 159, etc.

Embodying the well-known Baldwin amplifying principle.



Oscillation Transformer
Catalogue No. 190



"S. E." Receiving Set
Catalogue No. 113

Requires connection with a pair of telephones, an aerial, and a radiator or water-pipe. Admirable for receiving local radiophone concerts, etc.



Murdock New Style Telephone
Catalogue No. 167, etc.

The improved Murdock head-band enables the amateur to "listen-in" for long periods in perfect comfort.



Murdock Condenser
Catalogue No. 32

Murdock Variable Condensers need no advertising. Every amateur is using them, or will do so eventually.

Miscellaneous Apparatus and Materials—*Continued*

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Interrupter —Electrolytic. 110 volts, A.C. or D.C.	87	\$5.00	Potentiometers —"Amrad," type 2622.....	111	\$1.75
Jumper —"Amrad," type 2641.....	88	.07	Marconi sliding type, 300 ohms resistance....	112	3.75
Keys —Marconi type. For powers up to $\frac{1}{2}$ K.W....	89	5.50	Receiver —"Amrad" short-wave. Fully described in		
"Overland," type R65, with No. 6 contacts....	90	7.25	"Amrad" bulletin L.....	43	63.00
"Overland," type R66, with $\frac{1}{4}$ " contacts.....	91	8.25	Receiving Set —Direct-coupled "S.E." type. With		
"Overland," type R67, with $\frac{3}{8}$ " contacts.....	92	11.50	crystal detector and concealed fixed condenser.		
"Signal," type M100, for telegraph and small coil			Used with an average amateur aerial and with a		
work.....	93	3.50	pair of high-resistance phones, has a wave range		
Type 112K. Typical land-line model.....	94	2.60	up to 3000 metres.....	113	13.50
Kick-Back Preventer —Graphite rod type, for			Rectifiers —"Tungar," $2\frac{1}{2}$ amp. Complete with		
powers up to $\frac{1}{2}$ K.W.....	95	7.50	bulb.....	114	30.00
Knobs —"Amrad," type 2552.....	96	.45	"Tungar," 5 amp. Complete with bulb.....	115	47.00
Key. Land-line type.....	97	.25	Relays —"Pony," telegraph type, M105. 20 ohms		
Knobs and Dials —"Amrad," type 2608. 0-100...	98	.90	resistance.....	116	6.00
"Amrad," type 2608. 0-50.....	99	.90	"Pony," telegraph type, M104. 4 ohms resistance	117	5.50
Loading Coil —"Amrad," type 2626 (Adjustable).	100	5.25	Resistances —Adjustable, "Amrad," type A-2. For		
Loud Speaker —"Magnavox." Type R3, for ap-			primary circuit of transformer in connection		
plication to receiving sets.....	101	60.00	with "Amrad" quenched gaps.		
Magnetic Modulator —Radio Corporation, type			$\frac{1}{2}$ K.W., type 2029.....	118	5.25
UT-1643. .5 to 1.5 amperes.....	102	14.00	$\frac{1}{4}$ K.W., type 2077.....	119	3.50
Microphone Transmitter —Heavy current carry-			Rheostats —"Amrad," type 2621. 2.35 ohm re-		
ing capacity.....	103	7.50	sistance element on heavy porcelain base.		
Milliammeter —Roller-Smith, 0-250 milliamps			Carries 2.4 amperes.....	120	1.40
reading.....	104	14.50	Rotating arm. 10 ohms maximum resistance.		
Motors —Dubilier. Operates from 110 volt, 60			Carries up to 1.5 amps. For front mounting.		
cycle A.C. mains through step-down trans-			Type R-49.....	121	1.30
former, giving 12 to 20 volts. Also operates			Ditto, for back mounting. Type R-50.....	122	1.50
from a 6 volt storage battery.....	105	4.50	Ditto, "Signal." 2 ohms resistance. Carries 2.5		
Type R-70, 1-20 H.P., 110 volts, A.C. or D.C.			amps.....	123	2.50
Mounted on base.....	106	17.50	Sliders —Lacquered Brass. To fit $\frac{3}{16}$ " square rod..	124	.45
Type R-71, 1-12 H.P., 110 volts, A.C. or D.C.			Nickel-plated. To fit $\frac{3}{16}$ " square rod.....	125	.60
Mounted on base.....	107	20.00	Brass. To fit $\frac{3}{16}$ " square rod.....	126	.35
Panels —Condensite Celeron.			Sounders. Telegraph. Resistance 20 ohms.....	127	4.00
In sheets 5" x 5" x $\frac{1}{8}$ ".....	108	.70	Telegraph. Resistance 4 ohms.....	128	3.50
In sheets 10" x 5" x $\frac{1}{8}$ ".....	109	1.25	Spark Coils —Two inch. "Amrad" type. For use		
In sheets 10" x 10" x $\frac{3}{16}$ ".....	110	3.75	with 32 volt battery.....	129	24.50
			Two-inch. Ditto. For use with 6 volt battery..	130	16.76
			Two-inch. "Mesco," type 464.....	131	19.50
			One-inch. "Mesco," type 462.....	132	11.00

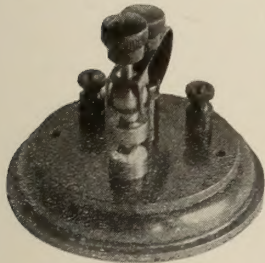
Miscellaneous Apparatus and Materials—Continued

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Spark Gaps —Fixed type, with cooling flanges, for powers up to $\frac{1}{2}$ K.W.....	133	3.00	Switch Studs —For "Amrad" switch, type 2615.		
Quenched "Amrad" type:—			Fluted shank, $\frac{1}{8}$ " long, slotted at bottom.		
$\frac{1}{2}$ K.W., operating from transformer supplied with 110 volt, 60 cycle A.C.....	134	24.50	Mounted by drilling hole with No. 41 drill.		
$\frac{1}{4}$ K.W., operating from transformer or from induction coil delivering 7,500 volts and upwards.....	135	14.00	Type No. 2574.....	157	.05
Quenched. For use with 1" spark coil.....	136	4.50	Nickel-plated. Head diam. $\frac{1}{4}$ ". Height $\frac{3}{8}$ ".		
Rotary, non-synchronous. "Signal" type, with motor operating from 110 volt direct or 60 cycle alternating current:—			Shank $\frac{6}{32}$ " thread by $\frac{5}{8}$ " long. 2 Hex. nuts..	158	.05
1 K.W. gap and motor, R-8.....	137	34.00	Telephone Receivers —Double head-sets, complete with head-bands and cords as follows:—		
$\frac{1}{2}$ K.W. gap and motor, R-7.....	138	23.00	Baldwin Amplifying. Type C.....	159	17.50
Spark Gap (Rotor only)—Wilcox. "Saw-tooth."			Baldwin Amplifying. Type E.....	160	19.00
Type 14B.....	139	9.00	Baldwin Amplifying. Type F.....	161	20.50
Spreader —Tapered wood. 6 ft. long.....	140	1.00	Baldwin Amplifying. Type G.....	162	22.00
With cast iron end bands, with 2 eyes in each....	141	1.50	Brandes "Navy" Amplifying. Resistance 3200 ohms.....	163	23.00
Switches —Aerial change-over. "Murdock," type 463.....	142	7.50	Brandes "Transatlantic" Amplifying. Resistance 2800 ohms, with indicated polarity and new type head-band.....	164	21.00
Lightning. S-P. D-T. On slate base.....	143	2.00	Brandes "Superior." Resistance 2000 ohms....	165	11.50
S-P. S-T. 25 amps, 250 volts.....	144	.60	Murdock. Resistance, 3000 ohms.....	166	7.50
S-P. D-T. 25 amps, 250 volts.....	145	.90	Murdock. No. 36. With improved head-bands.		
D-P. S-T. 25 amps, 250 volts.....	146	.75	Resistance 3000 ohms.....	167	8.75
D-P. D-T. 25 amps, 250 volts.....	147	1.00	Resistance 2000 ohms.....	168	7.25
S-P. S-T., on black moulded base.....	148	.35	Murdock. Resistance 2000 ohms.....	169	6.00
Panel. "Amrad," type 2615, with $\frac{3}{4}$ " knurled knob. Has metal bushing on shaft and switch arm keyed to knob. Radius $\frac{7}{8}$ ".....	149	.55	Telephone Receiver Parts —Double Cords, Baldwin, 6 ft.....	Per pair 170	1.35
Rotary. "Wilcox." Series-parallel.....	150	1.10	Double cords, Brandes, 6 ft.....	Per pair 171	1.35
Switch Blade —Lacquered brass, $1\frac{3}{8}$ " radius.....	151	.05	Double cords, Murdock, 5 ft.....	Per pair 172	1.20
Switch Knobs —"Electrose," $\frac{11}{16}$ " diam., $\frac{8}{32}$ " thread			Caps. Hard Rubber, Baldwin.....	Each 173	.50
Brass bushed No. 118.....	152	.08	Caps. Hard Rubber, Brandes "Superior".	Each 174	.60
"Electrose," $\frac{7}{16}$ " diam., $\frac{6}{32}$ " thread. Brass bushed No. 180.....	153	.05	Caps. Hard Rubber, Murdock.....	Each 175	.40
"Electrose," $1\frac{1}{4}$ " diam., $\frac{6}{32}$ " thread. Brass bushed No. 838.....	154	.12	Diaphragms, Brandes "Superior".....	176	.25
Type 1012B. With coarse knurl.....	155	.15	Diaphragms, Murdock.....	177	.15
Type 931A. U.S. Navy Standard.....	156	.18	Shells, Baldwin.....	178	.50
			Terminals —"Amrad," type 2094. Heavy binding post with non-removable top. Shank $\frac{10}{32}$ " thread	179	.42
			Ditto, but of medium size, $\frac{8}{32}$ " thread.....	180	.20
			Brass, $\frac{1}{2}$ ", with screw.....	181	.15
			Brass, $\frac{3}{8}$ ", with screw.....	182	.08
			Brass, $\frac{5}{16}$ ", with screw.....	183	.07
			Brass, $\frac{3}{8}$ ", with hole.....	184	.12
			Tinfoil —1 lb. packages.....	185	.30
			Transformer —Audio-frequency. Marconi intervalve type.....	186	8.00

**Murdock Condenser**

Catalogue No. 31

This Murdock Variable Condenser is contained in a heavy composition case which may be filled with oil, if desired.

**Crystal Detector**

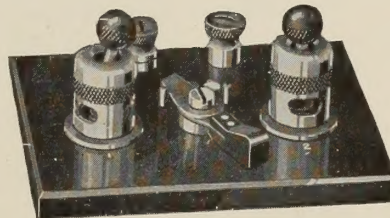
Catalogue No. 55

The Two-crystal Detector here illustrated is now supplied mounted on a neat black composition base.

**"Amrad" Detector**

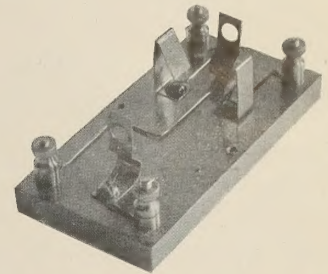
Catalogue No. 49

The "Amrad" Detector here illustrated is a remarkable example of compactness and efficiency. The crystal cup is protected by a screw-on case.

**"Amrad" Detector**

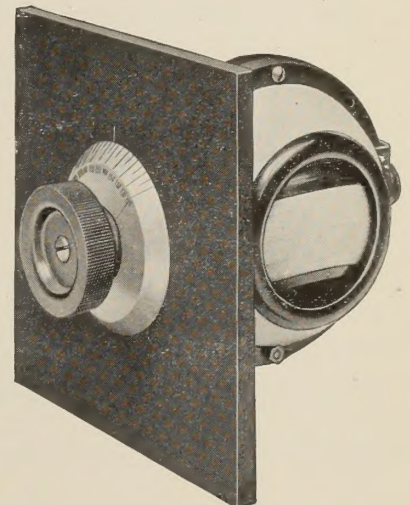
Catalogue No. 50

The "Amrad" Detector shown at the top of this page, but in duplicate and with a change-over switch.

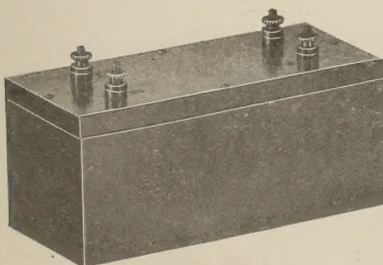
**Marconi Valve Mount**

Catalogue No. 229

Employing the Marconi method of mounting "V24" and "Qx" valves.

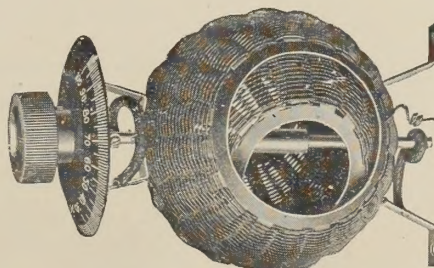
**Vario-coupler**

Catalogue No. 239

**Audio-frequency Transformer**

Catalogue No. 186

A well-designed Inter-valve Transformer, developed in the Canadian Marconi Co.'s laboratory.

**"Amrad" Variometer**

Catalogue No. 240

This Basket-wound Variometer is fully described in "Amrad" Bulletin "O," free on application.

**Ampliformer**

Catalogue No. 7

Fully described in "Amrad" Bulletin "N," free on application.

Miscellaneous Apparatus and Materials—Continued

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Transformers (Transmitting)—"Jigger," or oscillation transformer. R-14. Hinged flat-spiral type, of heavy brass ribbon. For work on amateur wavelengths; powers up to $\frac{1}{2}$ K.W. 187		\$18.50	Tuning Inductances (Receiving)—Three-slide, Type R-27.....	210	\$8.50
Ditto. Hinged helix type, with two clips. R-13. 188		22.00	Two-slide, type R-25.....	211	5.00
Ditto. Marconi sliding cylindrical spiral type. With switch for 50 and 200 metre transmission. Suitable for 1" spark coil work.....	189	15.00	Long-wave loading coil. Type R-28, for receiving wavelengths up to 10,000 metres. Has a 5-point switch.....	212	12.50
Ditto. "Murdock" hinged helix type.....	190	8.50	Tuning Inductances (Transmitting)—Helix type, for 1" spark coil work.....	213	10.00
Power transformer. "Thordarson" type, for direct connection to 110 volt, 60 cycle A.C. lighting supply:—			Helix type, for powers up to $\frac{1}{2}$ K.W. R-16....	214	7.50
$\frac{1}{2}$ K.W., 1 to 6 amps, 10,000 volts, type "R," with variable magnetic shunt.....	191	35.00	Helix type, R-15, for 1" spark coil work.....	215	3.75
$\frac{1}{4}$ K.W., 1 to 6 amps, 8,000 volts, type "RS," without shunt.....	192	22.50	Vacuum Tubes ("Valves")—		
Transformers (Loose couplers)—"Arlington" type, R-22, for wavelengths up to 4,000 metres.....	193	16.00	Marconi, type MR1 (Rectifying), 150 watts....	216	37.50
Ditto, type R-23, for wavelengths up to 1800 mets. 194		11.50	Marconi, type MT1 (Transmitting), 250 watts...	217	55.00
Ditto, type R-24, for wavelengths up to 800 metres 195		8.50	Marconi, type MT3 (Transmitting), 75 watts....	218	50.00
Ditto, type R-32, for wavelengths up to 600 metres 196		18.50	Marconi, type MT4 (Transmitting), 400 watts...	219	75.00
Transformers (Step Down)—110 volts to 10 volts (2 watts).....	197	2.50	Marconi, type MT5 (Transmitting), 25 watts....	220	32.50
110 volts to voltages 1—27 $\frac{1}{2}$ (40 watts).....	198	6.00	Marconi, type Qx.....	221	7.50
Transformers (Step Up)—"B.H." type R-1, 50 watts; stepping 110 volts, 60 cycle to 550 volts 199		18.00	Marconi, type V24.....	222	7.50
"B.H." type R-2, 250 watts; stepping 110 volts, 60 cycle to 1500 volts. (Primary tapped)....	200	28.00	"Radiotron," type UV 200.....	223	7.00
Tubes —Gray fibre. Specially made for wireless purposes.			"Radiotron," type UV 201.....	224	9.00
Variometer pair, 3 $\frac{7}{8}$ " x 2".....	201	15	"Radiotron," type UV 202.....	225	11.50
Variometer pair, 4 $\frac{7}{8}$ " x 2 $\frac{1}{2}$ ".....	202	15	"Radiotron," type UV 203.....	226	45.00
Loading Coil Tube, 3 $\frac{1}{4}$ " x 14".....	203	75	"Radiotron," type UV 204.....	227	170.00
Loose-Coupler pair, 3 $\frac{1}{2}$ " x 2".....	204	30	Valve Clips —For holding "V24" or "Qx" valve. Set of four.....	228	.40
Loose-Coupler pair, 3 $\frac{3}{4}$ " x 2 $\frac{1}{2}$ ".....	205	30	Valve Mounts —For mounting Marconi "V24" or "Qx" valve. Flat type.....	229	2.50
Loose-Coupler pair, 3 $\frac{1}{4}$ " x 7".....	206	30	Upright type.....	230	2.25
Loose-Coupler pair, 3 $\frac{7}{8}$ " x 7".....	207	30	For holding Marconi "MT5" valve.....	231	7.50
Tuners —"Amrad," type 2596, with vernier controls 208		63.00	Valve Mount Adapter —For adapting the American 4-prong socket to the Marconi "V24" or "Qx" valve. Upright.....	232	2.50
"Amrad," type 2631, without vernier controls... 209		59.00	Valve Sockets —For holding standard American 4-prong valve. "Signal" type R-75.....	233	2.10
			"Murdock," type 550.....	234	1.65
			"Amrad," type 2164.....	235	1.05
			Vario-Couplers —"Amrad," type 2611. Mounted	236	13.25
			"Amrad," type 2612. Mounted.....	237	18.25
			"Amrad," type 2613. Unmounted.....	238	10.50
			"Murdock," type 346.....	239	12.75

Miscellaneous Apparatus and Materials—*Continued*

Item and Description	Cat. No.	Price	Item and Description	Cat. No.	Price
Variometers —"Amrad," type 2606. Unmounted.	240	\$9.50	Wire —Aerial. Silicon-Bronze. 3 strands, No. 20,		
Vernier, "Amrad," type 2645. Mounted.....	241	4.55Per 100 ft.	244	\$1.35
Vernier, "Amrad," type 2610. Unmounted....	242	2.10	Aerial. Copper. 7 strands, No. 22. Per 100 ft.	245	.85
Vibrator —For $\frac{1}{2}$ " and 1" spark coils. "Mesco"			Aerial. Copper hard drawn, No. 14. Per 100 ft.	246	.60
type.....	243	1.30	Ground. Copper, R.C. & B., No. 6....Per ft.	247	.10
			Annunciator. In 1 lb. spools only.....	248	.75
Item and Description			Cat. No. Price		
Wood's Metal —For mounting detector crystals, in					
3 oz. ingots.....			249	\$0.65	

Prices for Insulated Wires

(Sold in 1-lb. Spools only)

No.	20	22	24	26	28	30	32	No.	20	22	24	26	28	30	32
S.C.C.....	\$0.80	.90	1.10	1.25	1.50	1.80	2.20	D.S.C.....	\$1.70	2.00	2.40	3.00	4.00	5.00	7.00
D.C.C.....	1.05	1.25	1.45	1.75	2.10	2.70	3.60	Enamelled....	.80	.85	.90	1.00	1.10	1.15	1.30
S.S.C.....	1.15	1.25	1.55	1.80	2.20	2.70	3.65								

Wireless Literature

Technical and Popular Scientific Publications

	Price		Price
Addyman, F. T. —"My Electrical Workshop".....	\$2.00	Coursey, P. R. —"Telephony Without Wires".....	\$4.50
Bangay, R. D. —"The Elementary Principles of Wireless Telegraphy."		Dept. Naval Service —"International Radiotelegraph Convention, 1912" (Canada).....	.20
Part 1.....	1.25	Dowsett, H. M. —"Wireless Telegraphy and Telephony"	2.50
Part 2.....	1.25	Eccles, W. H. —"Continuous Wave Telegraphy".....	5.50
Parts 1 and 2 combined (in French or English)....	2.25	Experimenter's Information Service —Blue Prints giving details for the construction of apparatus, such as amplifying receivers, radiophone transmitters, etc. Ask for a descriptive pamphlet.....	
"The Oscillation Valve".....	3.00		
Blake, E. —"Selected Studies in Elementary Physics"...	1.25	Experimenter Pub. Co. —"A Thousand and One Formulæ".....	2.00
Boyle, B. —"Standard Tables and Equations in Radio-telegraphy".....	2.50	"Experimental Electricity Course in 20 Lessons"...	1.50
British Post Office —"P.M.G." Handbook.....	.20	"The How and Why of Radio Apparatus".....	2.00
Bucher, E. E. —"Practical Wireless Telegraphy".....	2.50	"Wireless Course in 20 Lessons".....	2.00
"Vacuum Tubes in Wireless Communication"....	2.50	Fleming, J. A. —"The Thermionic Valve and its Development in Radio-Telegraphy and Telephony".....	4.00
"The Wireless Experimenter's Manual".....	2.50		
"How to Pass U.S. Government Wireless Examinations".....	1.00		
Bureau of Standards (U.S.) —"Radio Instruments and Measurements".....	2.00		

Marconi "V24" Valve

Catalogue No. 222

This is the well-known "hard" tube, used in British and Canadian Marconi apparatus and popular among Canadian amateurs. It operates with a filament voltage of 6, filament amperage of .75, and plate voltage of 22.5.

**"MT5" Valve**

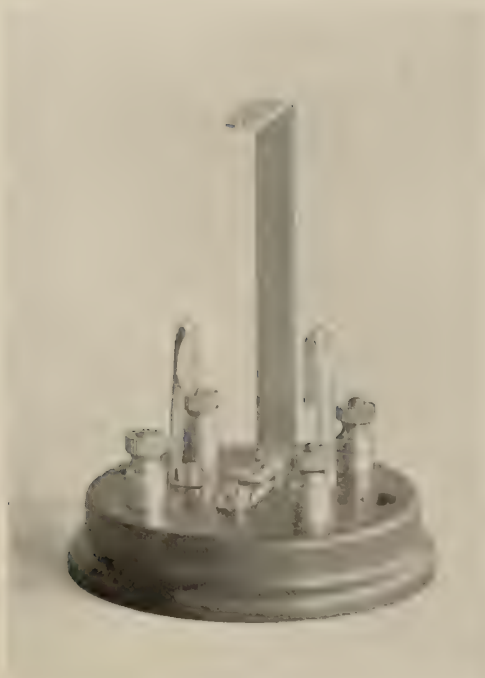
Catalogue No. 220

The "MT5" Valve operates with a filament voltage of 6, filament amperage of 1.5, and plate voltage of from 500 to 1,500. The estimated life is 1,000 hours.

**"MT5" Valve Mount**

Catalogue No. 231.

The neat mount in this illustration is supporting a Marconi "MT5" 25 watt tube. (Three prongs.)



Valve Mount
Catalogue No. 230

NOTICE

The "Q" valve is now replaced by a new type, known as the "Qx". The new valve is similar in appearance to the "V24". It operates with a filament voltage of 5, amperage of .75, plate voltage of from 25 (rectifying) to 100 (amplifying).



Valve Mount Adapter
Catalogue No. 232

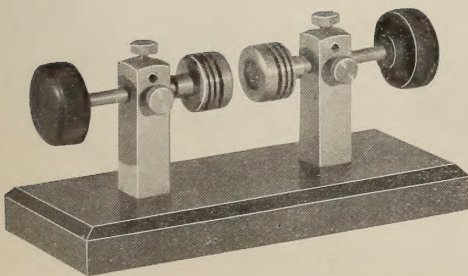
Wireless Literature—*Continued*

Item and Description	Price	Item and Description	Price
Goldsmith, A. N. —"Radio-Telephony".....	2.75	Penrose, H. E. —"Booklets; Useful Notes on Wireless Telegraphy." Parts 1 to 5. Per part.....	.45
Harris, P. W. —"The Maintenance of Wireless Telegraph Apparatus".....	1.00	Scott Taggart —"Thermionic Tubes"	6.50
Hawkhead, J. C., and Dowsett, H. M. —"Technical Instructions for Wireless Telegraphists".....	2.00	Scientific Experimenter, Limited —Morse Code Card05
Marconi Co. (Canada) —Diagrams of Connections. Blueprints:—		Shore, A. —"Alternating Current Work".....	1.25
1/2 K.W. Can. Marconi Standard Cabinet Set.....	.25	Stanley, Rupert —"General Theory and Practice of Wireless".....	5.00
2 K.W. Can. Marconi Standard Cabinet Set.....	.25	"Valves and Valve Apparatus".....	5.00
2 K.W. Can. Marconi Standard Shore Station.....	.25	White, J. Andrew —"Practical Amateur Wireless Stations".....	1.00
General Description of the Canadian Marconi 2 K.W. Cabinet Set.....	1.00	"Practical Aviation".....	2.50
Martin, M. J. —"The Wireless Transmission of Photographs".....	1.00	Willis, S. J. —"A Short Course in Elementary Mathematics and their Application to Wireless Telegraphy"	1.00
Nottage, W. H. —"The Calculation and Measurement of Inductance and Capacity".....	1.00	Wireless Press —"The Year Book of Wireless Telegraphy and Telephony" (Published Annually).....	6.00
		"Test Questions and Answers" Parts 1, 2 and 3, per part.....	1.25

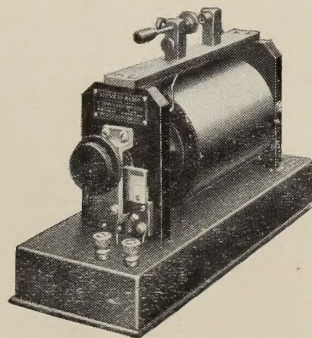
Magazines

Scientific Experimenter, Limited, handle the following:—

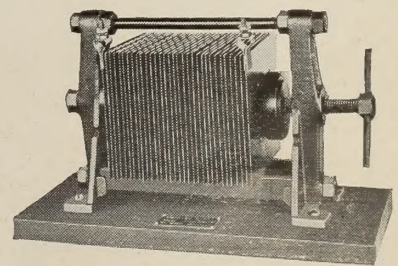
	Price
" Canadian Wireless "—"Canada's First All-Radio Magazine."	
Monthly, per copy.....	\$0.10
(Post Free) Yearly Subscription.....	1.20
" Radio Review "—A Technical Journal, published in London, England.	
Monthly, per copy.....	.75
(Post Free) Yearly Subscription.....	9.10
" Wireless World "—Published in London, England.	
Bi-monthly, per copy.....	.15
(Post Free) Yearly Subscription.....	4.10



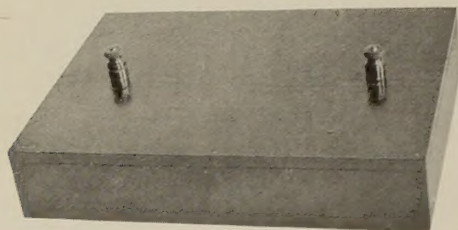
Spark Gap
Catalogue No. 133



Spark Coil
Catalogue No. 129

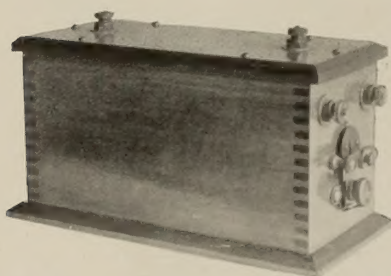


Quenched Spark Gap
Catalogue No. 134

**Glass-plate Condenser**

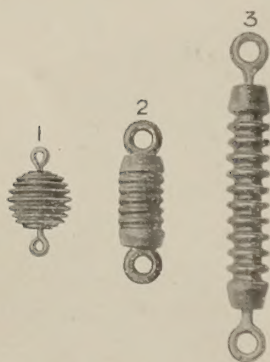
Catalogue No. 42

A Glass-plate Condenser designed for use with Spark Coils. The plates are of carefully selected photographic glass.

**Spark Coil**

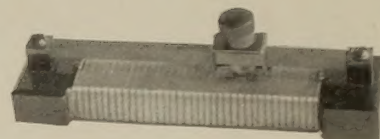
Catalogue No. 464

The "Mesco" Spark Coils, of one and two-inch size, are well known among amateurs as being reliable for use in small transmitters.

**Electrose Insulators**

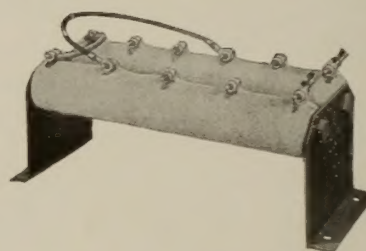
Catalogue Nos. 82, 83, 84

The Electroese Insulators here shown are the (1) Ball, (2) Two-inch, and (3) Seven-inch types.

**Potentiometer**

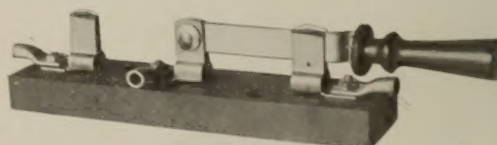
Catalogue No. 112

This Potentiometer is in wide commercial and amateur use. The resistance wire (300 ohms) is wound on a slate former.

**"Amrad" Resistance Unit**

Catalogue No. 118

In operating quenched gaps, a suitable resistance inserted in series with the transformer primary is employed to produce a falling characteristic in the secondary voltage, which prevents the formation of an arc in the gap. The adjustable resistance illustrated has a total resistance value of 10.6 ohms, adjustable in 8 steps of 1.25 ohms and 1 step of 6 ohms.

**Lightning Switch**

Catalogue No. 143

While one never hears of amateur wireless stations being struck by lightning, the use of a Lightning Switch is a precautionary measure demanded by fire underwriters. This switch is mounted on a substantial slate base.

To the Amateur

We invite you to submit your radio problems to us for solution.

As pioneers in the Canadian Amateur field, we have always aimed at supplying the amateur with what is best suited to his requirements.

Our long experience in conducting training classes for amateurs has taught us what the amateur needs.

Our desire is not merely to sell you goods. We want you to be satisfied.

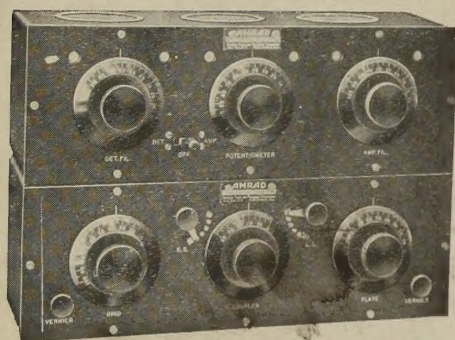
SCIENTIFIC EXPERIMENTER, LIMITED

February, 1922.



"Amrad" Tuner, with Loading Coil
 Catalogue No. 208 Catalogue No. 100

Our illustration shows the "Amrad" Loading Coil attached to the "Amrad" Tuner. A cut of the tuner alone appears below. For a full description of the tuner and loading coil, ask for "Amrad" Bulletin "L."

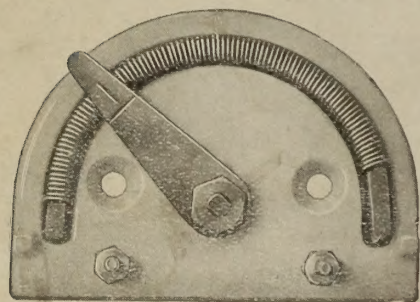


"Amrad" Short-wave Receiver
 Catalogue No. 43

For efficiency as well as for beauty of appearance, this "Amrad" receiver leaves nothing to be desired. The set is fully described and illustrated in "Amrad" Bulletin "L."



"Amrad" Tuner
 Catalogue No. 208

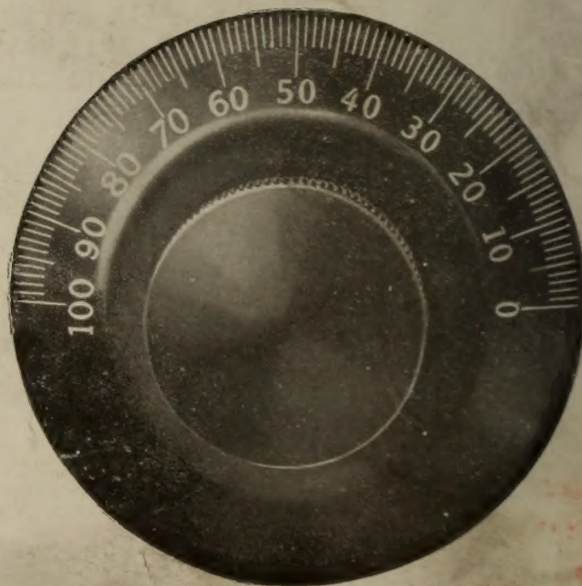


"Amrad" Rheostat
 Catalogue No. 120

A heavy porcelain base filament rheostat with 2.35 ohm resistance element. Constructed for mounting behind panel. Shaft diameter, $\frac{3}{16}$ in. Current carrying capacity, 2.4 amperes.

The new "Amrad" knob and dial, with gloss-black bevelled dial. Fully described in "Amrad" Bulletin "N."

Watch our
 advertisements
 in
**"Canadian Wireless"
 Magazine!**



"Amrad" Knob and Dial
 Catalogue No. 98